

Titles of most frequently occurring classifications of patents returned
from a search of 10551224 on Nov 27 , 2007

- 5 704/205 (1 OR, 4 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 . SPEECH SIGNAL PROCESSING
704/201 .. For storage or transmission
704/205 ... Frequency
- 4 704/270 (0 OR, 4 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 . SPEECH SIGNAL PROCESSING
704/270 .. Application
- 4 704/272 (3 OR, 1 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 . SPEECH SIGNAL PROCESSING
704/270 .. Application
704/272 ... Novelty item
- 4 704/208 (2 OR, 2 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 . SPEECH SIGNAL PROCESSING
704/201 .. For storage or transmission
704/205 ... Frequency
704/206 Specialized information
704/207 Pitch
704/208 Voiced or unvoiced
- 3 379/202.01 (0 OR, 3 XR)
Class 379 TELEPHONIC COMMUNICATIONS
379/201.01 . SPECIAL SERVICES
379/202.01 .. Conferencing
- 3 370/477 (1 OR, 2 XR)
Class 370 MULTIPLEX COMMUNICATIONS
370/464 . COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL
CHANNELS
370/477 .. Transmission bandwidth conservation
- 3 704/206 (2 OR, 1 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 . SPEECH SIGNAL PROCESSING
704/201 .. For storage or transmission
704/205 ... Frequency
704/206 Specialized information
- 3 704/E19.01 (0 OR, 3 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/E19.001 . SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)
704/E19.01 .. Using spectral analysis, e.g., transform vocoders, subband
vocoders, perceptual audio coders, psychoacoustically based lossy encoding, etc.,
e.g., MPEG audio, Dolby AC-3, etc. (EPO)

- 3 704/ E21. 002 (0 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/ DECOMPRESSION
 704/ E21. 001 . MODIFICATION OF AT LEAST ONE CHARACTERISTIC OF SPEECH WAVES
 (EPO)
 704/ E21. 002 .. Speech enhancement, e.g., noise reduction, echo
 cancellation, etc. (EPO)
- 3 704/ E17. 002 (0 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/ DECOMPRESSION
 704/ E17. 001 . SPEAKER IDENTIFICATION OR VERIFICATION (EPO)
 704/ E17. 002 .. Recognition of special voice characteristics, e.g., for
 use in a lie detector; recognition of animal voices, etc. (EPO)
- 2 704/ 207 (2 OR, 0 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/ DECOMPRESSION
 704/ 200 . SPEECH SIGNAL PROCESSING
 704/ 201 .. For storage or transmission
 704/ 205 ... Frequency
 704/ 206 Specialized information
 704/ 207 Pitch
- 2 370/ 267 (2 OR, 0 XR)
 Class 370 MULTIPLEX COMMUNICATIONS
 370/ 259 . SPECIAL SERVICES
 370/ 260 .. Conferencing
 370/ 263 ... Conferree signals combined or distributed via time
 channels
 370/ 266 Using summation of conferree signals
 370/ 267 Digital summation
- 2 704/ 246 (2 OR, 0 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/ DECOMPRESSION
 704/ 200 . SPEECH SIGNAL PROCESSING
 704/ 231 .. Recognition
 704/ 246 ... Voice recognition
- 2 704/ 222 (0 OR, 2 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/ DECOMPRESSION
 704/ 200 . SPEECH SIGNAL PROCESSING
 704/ 201 .. For storage or transmission
 704/ 221 ... Pattern matching vocoders
 704/ 222 Vector quantization
- 2 704/ E17. 005 (0 OR, 2 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/ DECOMPRESSION
 704/ E17. 001 . SPEAKER IDENTIFICATION OR VERIFICATION (EPO)
 704/ E17. 004 .. Details (EPO)
 704/ E17. 005 ... Preprocessing operations, e.g., segment selection, etc.,
 pattern representation or modeling, e.g., based on linear discriminant analysis
 (LDA), principal components, etc.; feature selection or extraction (EPO)
- 2 84/ 627 (0 OR, 2 XR)
 Class 84 MUSIC
 84/ 1 . INSTRUMENTS
 84/ 600 .. Electrical musical tone generation
 84/ 601 ... Data storage

10551224_CLSTI TLES.txt

84/ 602 Digital memory circuit (e.g., RAM, ROM, etc.)

84/ 626 Expression or special effects (e.g., force or velocity

responsive, etc.)

84/ 627 Envelope shaping (i.e., attack, decay, sustain, or

release)

2 84/ DI G 5 (0 OR, 2 XR)

 Class 84 MUSI C

 84/ DI G 5 . Chi ff

2 704/ 219 (1 OR, 1 XR)

 Class 704 DATA PROCESSI NG: SPEECH SI GNAL PROCESSI NG, LI NGUI STI CS,

LANGUAGE TRANSLATI ON, AND AUDI O COMPRESSI ON/ DECOMPRESSI ON

 704/ 200 . SPEECH SI GNAL PROCESSI NG

 704/ 201 .. For storage or transmi ssi on

 704/ 219 ... Li near predi cti on

2 704/ 223 (0 OR, 2 XR)

 Class 704 DATA PROCESSI NG: SPEECH SI GNAL PROCESSI NG, LI NGUI STI CS,

LANGUAGE TRANSLATI ON, AND AUDI O COMPRESSI ON/ DECOMPRESSI ON

 704/ 200 . SPEECH SI GNAL PROCESSI NG

 704/ 201 .. For storage or transmi ssi on

 704/ 221 ... Pattern matchi ng vocoders

 704/ 223 Excit ation patterns

2 704/ 226 (1 OR, 1 XR)

 Class 704 DATA PROCESSI NG: SPEECH SI GNAL PROCESSI NG, LI NGUI STI CS,

LANGUAGE TRANSLATI ON, AND AUDI O COMPRESSI ON/ DECOMPRESSI ON

 704/ 200 . SPEECH SI GNAL PROCESSI NG

 704/ 201 .. For storage or transmi ssi on

 704/ 226 ... Noi se

2 704/ E19. 024 (0 OR, 2 XR)

 Class 704 DATA PROCESSI NG: SPEECH SI GNAL PROCESSI NG, LI NGUI STI CS,

LANGUAGE TRANSLATI ON, AND AUDI O COMPRESSI ON/ DECOMPRESSI ON

 704/ E19. 001 . SPEECH OR AUDI O SI GNAL ANALYSI S- SYNTHESI S TECHNI QUES FOR

REDUNDANCY REDUCTI ON, E. G., I N VOCODERS, ETC.; CODI NG OR DECODI NG OF SPEECH OR AUDI O

SI GNALS; COMPRESSI ON OR EXPANSI ON OF SPEECH OR AUDI O SI GNALS, E. G., SOURCE- FILTER

MODELS, PSYCHOACUSTI C ANALYSI S, ETC. (EPO)

 704/ E19. 023 .. Usi ng predi cti ve techni ques; codecs based on source-filter

modeli zati on (EPO)

 704/ E19. 024 ... Determinati on or codi ng of the spectral characteristi cs,

e.g., of the short-term predi cti on coeffi cients, etc. (EPO)

2 704/ 264 (1 OR, 1 XR)

 Class 704 DATA PROCESSI NG: SPEECH SI GNAL PROCESSI NG, LI NGUI STI CS,

LANGUAGE TRANSLATI ON, AND AUDI O COMPRESSI ON/ DECOMPRESSI ON

 704/ 200 . SPEECH SI GNAL PROCESSI NG

 704/ 258 .. Synt hesi s

 704/ 264 ... Excit ation

2 381/ 94. 3 (0 OR, 2 XR)

 Class 381 ELECTRI CAL AUDI O SI GNAL PROCESSI NG SYSTEMS AND DEVI CES

 381/ 94. 1 . NOI SE OR DI STORTI ON SUPPRESSI ON

 381/ 94. 2 .. Spectral adj ustment

 381/ 94. 3 ... I n multiple frequency bands

2 704/ E21. 004 (0 OR, 2 XR)

 Class 704 DATA PROCESSI NG: SPEECH SI GNAL PROCESSI NG, LI NGUI STI CS,

LANGUAGE TRANSLATI ON, AND AUDI O COMPRESSI ON/ DECOMPRESSI ON

 704/ E21. 001 . MODI FI CATI ON OF AT LEAST ONE CHARACTERI STI C OF SPEECH WAVES

(EPO)

 704/ E21. 002 .. Speech enhancement, e.g., noi se reducti on, echo

cancel l at i o n, et c. (EPO)

704/ E21. 003 ... App l i c a t i o n s (EPO)

704/ E21. 004 Speech corrupted by noise (EPO)

2 379/ 386 (0 OR, 2 XR)

Class 379 TELEPHONIC COMMUNICATIONS

379/ 350 . SUPERVISORY OR CONTROL LINE SIGNALING

379/ 386 .. Signal receiver (e.g., tone decoder)

2 704/ 231 (0 OR, 2 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/ 200 . SPEECH SIGNAL PROCESSING

704/ 231 .. Recognition

2 381/ 99 (1 OR, 1 XR)

Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES

381/ 98 . INCLUDING FREQUENCY CONTROL

381/ 99 .. Having crossover filter

2 381/ 120 (1 OR, 1 XR)

Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES

381/ 120 . WITH AMPLIFIER

2 381/ 77 (0 OR, 2 XR)

Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES

381/ 77 . ONE-WAY AUDIO SIGNAL PROGRAM DISTRIBUTION

2 704/ E19. 003 (0 OR, 2 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/ E19. 001 . SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)

704/ E19. 003 .. Correction of errors induced by the transmission channel,
if related to the coding (EPO)